BRUHATH BENGALURU MAHANAGARA PALIKE

E–MEASUREMENT BOOK

Name of Work: ; Maintanance of Footpath in ward No ;15 Dasarahalli

Name of work ; Maintanance of Footpath in ward No ;15 Dasarahalli							
	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Dismantling of existing structures like Culverts bridges retaining walls and other structure comprising of machinary cement concrete wood work steel work including T & P and scaffolding where ever necessary stacking the dismantled material disposal of unservecable material and stacking the servesable material with all lifts complete as per specification						
	5 th Cross KG Nagara						
		1	30.00	2.10	0.25	15.75	
		1	24.50	2.10	0.25	12.86	
	Road gap	1					
		1	21.00	2.10	0.25	11.03	
	Road gap	1					
		1	10.50	2.10	0.25	5.51	
	Bhuvaneshwari nagara						
	Culvert @ 1 st Cross	1	6.40	1.50	0.25	2.40	
	Culvert @ 2 nd Cross	1	5.60	1.50	0.25	2.10	
	Ramachandra Hospital Road	1	5.00	1.50	0.25	1.88	
	Culvert near Maruthi Temple	1	4.50	1.50	0.25	1.69	
	Ramps	2	5.40	0.40	0.20	0.86	
		2	5.40	0.40	0.20	0.86	
		2	4.50	0.40	0.20	0.72	
				Total Quantity		54.08	Cum
	51.84			Payable Quantity		51.84	Cum

02/03/22

Assistant Engineer
Ward NO-15
BBMP Bangalore

02/03/22

Assistant Executive Engineer
Dasarahalli Sub division
BBMP Bangalore

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Contractor

Name of work ; Maintanance of Footpath in ward No ;15 Dasarahalli

	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.						
	Desilting of drain						
	5th Cross KG Nagara						
		1	30.00	1.20	1.30	46.80	
		1	24.50	1.20	1.30	38.22	
	Culvert gap	1	9.70	1.20	1.30	15.13	
		1	21.00	1.20	1.30	32.76	
	Culvert gap	1	5.70	1.20	1.30	8.89	
		1	10.50	1.20	1.30	16.38	
		1	7.50	1.20	1.30	11.70	
	Bhuvaneshwari nagara						
	Culvert @ 1 st Cross	1	5.40	0.60	0.60	1.94	
	Culvert @ 2 nd Cross	1	5.40	0.60	0.60	1.94	
	Ramachandra Hospital Road	1	5.00	1.50	0.25	1.88	
	Culvert near Maruthi Temple	1	4.50	0.60	0.60	1.62	
				Total Quantity		177.27	Cum
	175.26			Payable Quantity		**175.26**	**Cum**

02/02/22 to 05/02/22

Assistant Engineer
Ward NO-15
BBMP Bangalore

Assistant Executive Engineer
Dasara halli Sub division
BBMP Bangalore

Name of work ; Maintanance of Footpath in ward No ;15 Dasarahalli							
	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying in position plain cement concrete of mix1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machinery, curing complete as per specifications						
	5th Cross KG Nagara						
		1	30.00	1.20	0.10	3.60	
		1	24.50	1.20	0.10	2.94	
	Culvert gap	1	9.70	0.90	0.10	0.87	
		1	21.00	1.20	0.10	2.52	
	Culvert gap	1	5.70	1.20	0.10	0.68	
		1	10.50	1.20	0.10	1.26	
		1	7.50	1.20	0.10	0.90	
				Total Quantity		9.18	Cum
	7.02			Payable Quantity		**7.02**	**Cum**

Assistant Engineer
Ward NO-15
BBMP Bangalore

Assistant Executive Engineer
Dasara hall Sub division
BBMP Bangalore

Contractor

Name of work ; Maintanance of Footpath in ward No ;15 Dasarahalli							
	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.						
	For Side wall						
	For Coping on wall						
		4	30.00		0.45	54.00	
		4	24.50		0.45	44.10	
		4	21.00		0.45	37.80	
		4	10.50		0.50	21.00	
	Bhuvaneshwari nagara						
	Culvert @ 1 st Cross	4	5.40		0.30	6.48	
	Culvert @ 2 nd Cross	4	5.40		0.30	6.48	
	Ramachandra Hospital Road	4	5.00		0.30	6.00	
	Ramachandra Hospital Road	4	5.00		0.30	6.00	
	Culvert near Maruthi Temple	4	4.50		0.30	5.40	
				Total Quantity		187.26	**Sqm**
	187.00			Payable Quantity		**187.00**	**Sqm**

Assistant Engineer
Ward NO-15
BBMP Bangalore

8/2/22 to 9/2/22

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore

Contractor

Name of work ; Maintanance of Footpath in ward No ;15 Dasarahalli

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6						
	5th Cross KG Nagara						
	For Bed						
		1	30.00	1.20	0.20	7.20	
		1	24.50	1.20	0.15	4.41	
	Culvert gap	1	9.70	1.20	0.15	1.75	
		1	21.00	1.20	0.15	3.78	
	Culvert gap	1	5.70	1.20	0.15	1.03	
		1	10.50	1.20	0.15	1.89	
		1	7.50	1.20	0.15	1.35	
	Bhuvaneshwari nagara						
	Culvert @ 1 st Cross	1	5.40	0.60	0.20	0.65	
	Culvert @ 2 nd Cross	1	5.40	0.60	0.20	0.65	
	Ramachandra Hospital Road	1	5.00	0.60	0.20	0.60	
	Culvert near Maruthi Temple	1	4.50	0.60	0.20	0.54	
	For Coping on wall						
		2	30.00	0.40	0.30	7.20	
		2	24.50	0.40	0.30	5.88	
	Culvert gap				0.30		
		2	21.00	0.40	0.30	5.04	
	Culvert gap				0.30		
		2	10.50	0.40	0.30	2.52	
					0.30		
	Bhuvaneshwari nagara						
	Culvert @ 1 st Cross	2	5.40	0.40	0.30	1.30	
	Culvert @ 2 nd Cross	2	5.40	0.40	0.30	1.30	
	Ramachandra Hospital Road	2	5.00	0.40	0.30	1.20	
	Culvert near Maruthi Temple	2	4.50	0.40	0.30	1.08	
	For Ramp						
	Culvert @ 1 st Cross	2	5.40	0.40	0.15	0.65	
	Culvert @ 2 nd Cross	2	5.40	0.40	0.15	0.65	
	Ramachandra Hospital Road	2	5.00	0.40	0.15	0.60	
	Culvert near Maruthi Temple	2	4.50	0.40	0.15	0.54	
	5th Cross KG Nagara	1	30.00	0.40	0.15	1.80	
		1	24.50	0.40	0.15	1.47	
		1	21.00	0.35	0.15	1.10	
		1	10.50	0.35	0.15	0.55	

		56.70			Total Quantity	56.71	Cum
					Payable Quantity	56.70	Cum

Assistant Engineer
Ward NO-15
BBMP Bangalore

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of work ; Maintanance of Footpath in ward No ;15 Dasarahalli

Pre-Measurement Sheet

Premeasurement Recorded on;

First and Fnal

6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Unit
For Drain										
5 th Cross										
1	12	1	150mm/CC	8	54.50	436.0	Main Bar	0.89	388	
2	8	1	150mm C/c	198	1.10	217.8	Stirrups	0.39	85	
1	12	1	150mm/CC	8	21.00	168.0	Main Bar	0.89	150	
2	8	1	150mm C/c	98	1.10	107.8	Stirrups	0.39	42	
1	12	1	150mm/CC	8	10.50	84.0	Main Bar	0.89	75	
2	8	1	150mm C/c	48	1.10	52.8	Stirrups	0.39	21	
			Bhuvaneshwari nagara Culvert @ 1 st Cross							
1	12	2	150mm/CC	8	5.40	43.2	Main Bar	0.89	38	
2	8	2	150mm C/c	34	1.10	74.8	Stirrups	0.39	29	
			Bhuvaneshwari nagara Culvert @ 2 nd Cross							
1	12	2	150mm/CC	8	5.40	86.4	Main Bar	0.89	77	
2	8	2	150mm C/c	34	1.10	74.8	Stirrups	0.39	29	
			Ramachandra Hospital Road							
1	12	2	150mm/CC	8	5.00	80.0	Main Bar	0.89	71	
2	8	2	150mm C/c	34	1.10	74.8	Stirrups	0.39	29	
			Culvert near Maruthi Temple							
1	12	2	150mm/CC	8	4.50	72.0	Main Bar	0.89	64	
2	8	2	150mm C/c	30	1.10	66.0	Stirrups	0.39	26	
								Total Quantity of Steel in Kg's	11238	Kgs
								Total Quantity of Steel in Tonne's	1.12	Tonnes

Asst Engineer
Ward No;15

Assistant Executive Engineer
Dasarahalli Sub Division

Name of work ; Maintanance of Footpath in ward No ;15 Dasarahalli

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	**Providing and fixing Precast Concrete slab 100 mm thick with all lead and lift as per specifications**						
	Near Maruthi Temple						
	LHS	1	23.00	0.90		20.70	
	RHS	1	21.00	0.90		18.90	
					Total Quantity	39.60	
39.00					**Payable Quantity**	**39.00**	

29/03/22

Assistant Engineer
Ward NO-15
BBMP Bangalore

29/03/22

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore

Name of work ; Maintanance of Footpath in ward No ;15 Dasarahalli

	Pre measurement recorded on:						
Item No	**Discription of Item**	**No**	**Length**	**Breadth**	**Depth**	**Qty**	**Unit**
8	Providing and fixing Precast Concrete slab 250 mm thick with all lead and lift as per specifications						
	5th Cross KG Nagara						
		1	30.00	1.50		45.00	
		1	24.50	1.50		36.75	
		1	21.00	1.50		31.50	
		1	11.00	1.50		16.50	
	Bhuvaneshwari nagara						
	Culvert @ 1 st Cross	1	5.60	1.50		8.40	
	Culvert @ 2 nd Cross	1	5.40	1.50		8.10	
	Ramachandra Hospital Road	1	5.00	1.50		7.50	
	Culvert near Maruthi Temple	1	4.50	1.50		6.75	
				Total Quantity		160.50	
	161.7			Payable Quantity		160.50	Sqm

C&FC

EXECUTIVE ENGINEER
Bruhat Bengaluru Mahanagara Palike
Dasarahalli Division Bangalore

29/10/22

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25/10/22

Assistant Engineer
Ward NO-15
BBMP Bangalore

29/10/22

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore

Name of work ; Maintanance of Footpath in ward No :15 Dasarahalli

Pre measurement recorded on:

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Transportation &disposing of the excavated earth obtained from side drains and high burms on either side of the road						
K G Nagara						
Quantity Vide item No 1	1+2	50.89+175.26			226.15	
227.10				Total Qty	226.15	Cum.
				Payable Qty	226.15	Cum.

29/08/22

Assistant Engineer
Ward NO-15
BBMP Bangalore

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore

Contractor